

NPIC/[ ]/PPS-111-68  
10 May 1968

25X1

MEMORANDUM FOR THE RECORD

SUBJECT: Preview of Bi-Color Briefing for [ ] P.I.'s by [ ]  
[ ]

25X1

25X1

1. The subject briefing was held at 1100 hours on 8 May 1968 in the [ ] Conference Room for the purpose of coordination with related [ ] components. Representatives from [ ] and [ ] were present.

25X1

2. [ ] proceeded to give his briefing as he intended to give it to the [ ] P.I.'s to assist in their exploitation of bi-color imagery taken on Mission [ ]. He used several examples as briefing aids, including previous bi-color satellite mission materials, some lab camera color filtered shots and various systems of viewing this material, including comparison viewing of black-and-white positive transparencies on the light table, superimposition viewing by the ARES, polaroid land color copies of the ARES image, color transparencies of the ARES image, a color transparency made from ortho photographs produced at ACIC and rectified transparencies also produced at ACIC.

25X1

25X1

3. After describing and illustrating the basic principles of bi-color (which he explained is more correctly described by the term bi-spectral) [ ] posed some of the possible uses and limitations of imagery taken in this mode. He said that the material taken by this process, if properly understood and/or filtered in the viewing or reproduction process, could be relied upon to indicate whether or not objects were most reflective in the red or green regions of the spectrum, but he cautioned emphatically against interpreting the color presentation of this material as being directly analogous to the actual color of the object. He then asked for questions from the floor.

25X1

4. [ ] asked whether the convergence of the KH-4 cameras might cause specular reflectance to be misidentified as a "color" signature. [ ] replied that this was certainly a potential source of difficulty if the sun angle had the corresponding orientation with respect to the camera attitude.

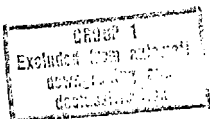
25X1

25X1

5. [ ] asked whether the bi-color imagery might cause some difficulty in stereo-viewing. He said that on the

25X1

Declass Review by NIMA / DoD



SECRET

Approved For Release 2002/06/17 : CIA-RDP78B04767A000400050008-3

SUBJECT: Preview of Bi-Color Briefing for [ ] P.I.'s by [ ]

25X1

samples he was given he was unable to establish satisfactory stereo images when viewing them on the [ ] High Power Micro-stereoscope and that he had gotten a senior P.I. to also look at these materials who verified that the stereo effect did not appear to be present [ ]

25X1

was certain that the stereo images had been properly oriented and pointed out that there was much opportunity for incorrect orientation to be the cause of the degraded stereo effect [ ]

25X1

[ ] were both doubtful that bi-color filtering would preclude stereo viewing. Several of those present made arrangements [ ] to view the material which he had described in hopes of identifying the cause of this stereo viewing difficulty.

[ ] pointed out that they had arranged for extensive stereo viewing tests by several P.I.'s with this same mission material and that none reported any difficulty in stereo perception. All agreed that this question should be resolved.

6. [ ] reminded the group that spectrazonal photography was nothing new [ ] performed extensive evaluations of spectrazonal photography with their nine lens camera system. He said that he believed that these materials are now on file [ ]

[ ] and he recommended that we take advantage of the opportunity of using them in furthering our understanding of bi-color photography. At this point, the briefing was completed. All agreed that the briefing would be of much benefit to the P.I.'s.

7. [ ] should complete the arrangements for presenting this briefing to IEG personnel.

8. Just prior to this briefing [ ] again discussed the question of whether or not the flicker mode of presentation of bi-color materials would make it possible for a person to discern the differences between the records when viewing them in a stereoscopic device with or without color filters. The question is as yet unresolved and it is still not clear what contributions should be made [ ]

Distribution:

Orig. & 1 -- NPIC  
1 -- NPIC  
1 -- NPIC  
1 -- NPIC  
1 -- NPIC  
1 -- NPIC  
1 -- NPIC

Approved For Release 2002/06/17 : CIA-RDP78B04767A000400050008-3

SECRET

# CENTER ROUTING SLIP

Approved For Release 2002/06/17 : CIA-RDP78B04767A000400050008-3

DATE

13 May '68

TO	INITIALS	DATE	REMARKS
DIRECTOR			
DEP/DIRECTOR			
EXEC/DIRECTOR			
SPECIAL ASST			
ASST TO DIR			
ASST TO DEP/DIR			

Approved For Release 2002/06/17 : CIA-RDP78B04767A000400050008-3

DO NOT PREVIOUS EDITIONS